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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/326,402A

DATE: 12/11/2001

TIME: 10:35:41

Input Set : A:\GEN-T112XC1-rev.txt

Output Set: N:\CRF3\12112001\I326402A.raw

3 <110> APPLICANT: Blumenfeld, Marta  
4 Bougueleret, Lydie  
5 Chumakov, Ilya  
7 <120> TITLE OF INVENTION: Polymorphic Markers of Prostate Carcinoma Tumor Antigen-1  
(PCTA-1)  
9 <130> FILE REFERENCE: GEN-T112XC1  
11 <140> CURRENT APPLICATION NUMBER: 09/326,402A  
12 <141> CURRENT FILING DATE: 1999-06-04  
14 <150> PRIOR APPLICATION NUMBER: 60/088,187  
15 <151> PRIOR FILING DATE: 1998-06-05  
17 <150> PRIOR APPLICATION NUMBER: 60/102,324  
18 <151> PRIOR FILING DATE: 1998-09-28  
20 <160> NUMBER OF SEQ ID NOS: 12  
22 <170> SOFTWARE: PatentIn version 3.1  
24 <210> SEQ ID NO: 1  
25 <211> LENGTH: 106746  
26 <212> TYPE: DNA  
27 <213> ORGANISM: Homo sapiens  
29 <220> FEATURE:  
30 <221> NAME/KEY: misc\_feature  
31 <222> LOCATION: 1..68647  
32 <223> OTHER INFORMATION: 5'regulation region  
34 <221> NAME/KEY: misc\_feature  
35 <222> LOCATION: 66647..68647  
36 <223> OTHER INFORMATION: promoter  
38 <221> NAME/KEY: misc\_feature  
39 <222> LOCATION: 97156..106746  
40 <223> OTHER INFORMATION: 3'regulation region  
42 <221> NAME/KEY: exon  
43 <222> LOCATION: 68648..68741  
44 <223> OTHER INFORMATION: exon0  
46 <221> NAME/KEY: exon  
47 <222> LOCATION: 70647..70794  
48 <223> OTHER INFORMATION: exon1  
50 <221> NAME/KEY: exon  
51 <222> LOCATION: 82208..82296  
52 <223> OTHER INFORMATION: exon2  
54 <221> NAME/KEY: exon  
55 <222> LOCATION: 83613..83823  
56 <223> OTHER INFORMATION: exon3  
58 <221> NAME/KEY: exon  
59 <222> LOCATION: 85298..85417  
60 <223> OTHER INFORMATION: exon4  
62 <221> NAME/KEY: exon  
63 <222> LOCATION: 86389..86445  
64 <223> OTHER INFORMATION: exon5  
66 <221> NAME/KEY: exon  
67 <222> LOCATION: 87496..87522

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68 <223> OTHER INFORMATION: exon6  
70 <221> NAME/KEY: exon  
71 <222> LOCATION: 87650..87775  
72 <223> OTHER INFORMATION: exon6bis  
74 <221> NAME/KEY: exon  
75 <222> LOCATION: 88295..88383  
76 <223> OTHER INFORMATION: exon7  
78 <221> NAME/KEY: exon  
79 <222> LOCATION: 89484..89649  
80 <223> OTHER INFORMATION: exon8  
82 <221> NAME/KEY: exon  
83 <222> LOCATION: 92749..97155  
84 <223> OTHER INFORMATION: exon9  
86 <221> NAME/KEY: exon  
87 <222> LOCATION: 92749..92883  
88 <223> OTHER INFORMATION: exon9bis  
90 <221> NAME/KEY: exon  
91 <222> LOCATION: 95821..97155  
92 <223> OTHER INFORMATION: exon9ter  
94 <221> NAME/KEY: misc\_feature  
95 <222> LOCATION: 70647..70794  
96 <223> OTHER INFORMATION: homology with genset EST : A241850  
98 <221> NAME/KEY: misc\_feature  
99 <222> LOCATION: 68648..68741  
100 <223> OTHER INFORMATION: homology with genset EST : A241850  
102 <221> NAME/KEY: misc\_feature  
103 <222> LOCATION: 82208..82229  
104 <223> OTHER INFORMATION: homology with genset EST : A241850  
106 <221> NAME/KEY: allele  
107 <222> LOCATION: 278  
108 <223> OTHER INFORMATION: 99-1601-278 : polymorphic base A or C  
110 <221> NAME/KEY: allele  
111 <222> LOCATION: 402  
112 <223> OTHER INFORMATION: 99-1601-402 : polymorphic base A or T  
114 <221> NAME/KEY: allele  
115 <222> LOCATION: 472  
116 <223> OTHER INFORMATION: 99-1601-472 : polymorphic base A or T  
118 <221> NAME/KEY: allele  
119 <222> LOCATION: 2955  
120 <223> OTHER INFORMATION: 99-13801-100 : polymorphic base T or C  
122 <221> NAME/KEY: allele  
123 <222> LOCATION: 12167  
124 <223> OTHER INFORMATION: 99-13806-166 : polymorphic base G or A  
126 <221> NAME/KEY: allele  
127 <222> LOCATION: 12536  
128 <223> OTHER INFORMATION: 99-13799-376 : polymorphic base T or G  
130 <221> NAME/KEY: allele  
131 <222> LOCATION: 17593  
132 <223> OTHER INFORMATION: 99-13798-297 : polymorphic base T or C

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Input Set : A:\GEN-T112XC1-rev.txt

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134 <221> NAME/KEY: allele  
135 <222> LOCATION: 17606  
136 <223> OTHER INFORMATION: 99-13798-284 : polymorphic base T or C  
138 <221> NAME/KEY: allele  
139 <222> LOCATION: 22079  
140 <223> OTHER INFORMATION: 99-1602-200 : polymorphic base G or C  
142 <221> NAME/KEY: allele  
143 <222> LOCATION: 28964  
144 <223> OTHER INFORMATION: 99-13794-186 : polymorphic base T or C  
146 <221> NAME/KEY: allele  
147 <222> LOCATION: 29003  
148 <223> OTHER INFORMATION: 99-13794-147 : polymorphic base C or G  
150 <221> NAME/KEY: allele  
151 <222> LOCATION: 31077  
152 <223> OTHER INFORMATION: 99-13812-384 : polymorphic base T or C  
154 <221> NAME/KEY: allele  
155 <222> LOCATION: 31766  
156 <223> OTHER INFORMATION: 99-13805-313 : polymorphic base T or C  
158 <221> NAME/KEY: allele  
159 <222> LOCATION: 34791  
160 <223> OTHER INFORMATION: 99-1587-281 : polymorphic base A or G  
162 <221> NAME/KEY: allele  
163 <222> LOCATION: 45751  
164 <223> OTHER INFORMATION: 99-1582-430 : polymorphic base C or T  
166 <221> NAME/KEY: allele  
167 <222> LOCATION: 49847  
168 <223> OTHER INFORMATION: 99-1585-465 : polymorphic base T or C  
170 <221> NAME/KEY: allele  
171 <222> LOCATION: 49855  
172 <223> OTHER INFORMATION: 99-1585-457 : polymorphic base T or C  
174 <221> NAME/KEY: allele  
175 <222> LOCATION: 49886  
176 <223> OTHER INFORMATION: 99-1585-426 : polymorphic base G or A  
178 <221> NAME/KEY: allele  
179 <222> LOCATION: 49900  
180 <223> OTHER INFORMATION: 99-1585-412 : polymorphic base G or A  
182 <221> NAME/KEY: allele  
183 <222> LOCATION: 49906  
184 <223> OTHER INFORMATION: 99-1585-406 : polymorphic base C or A  
186 <221> NAME/KEY: allele  
187 <222> LOCATION: 49921  
188 <223> OTHER INFORMATION: 99-1585-391 : polymorphic base C or A  
190 <221> NAME/KEY: allele  
191 <222> LOCATION: 49939  
192 <223> OTHER INFORMATION: 99-1585-373 : polymorphic base G or A  
194 <221> NAME/KEY: allele  
195 <222> LOCATION: 50256  
196 <223> OTHER INFORMATION: 99-1585-55 : polymorphic base C or A  
198 <221> NAME/KEY: allele

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Input Set : A:\GEN-T112XC1-rev.txt

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199 <222> LOCATION: 54955  
200 <223> OTHER INFORMATION: 99-1607-373 : polymorphic base T or C  
202 <221> NAME/KEY: allele  
203 <222> LOCATION: 64239  
204 <223> OTHER INFORMATION: 99-1577-105 : polymorphic base A or G  
206 <221> NAME/KEY: allele  
207 <222> LOCATION: 65436  
208 <223> OTHER INFORMATION: 99-1591-235 : polymorphic base A or G  
210 <221> NAME/KEY: allele  
211 <222> LOCATION: 65496  
212 <223> OTHER INFORMATION: 99-1591-295 : polymorphic base G or T  
214 <221> NAME/KEY: allele  
215 <222> LOCATION: 66967  
216 <223> OTHER INFORMATION: 99-1572-315 : polymorphic base C or T  
218 <221> NAME/KEY: allele  
219 <222> LOCATION: 66987  
220 <223> OTHER INFORMATION: 99-1572-335 : polymorphic base A or G  
222 <221> NAME/KEY: allele  
223 <222> LOCATION: 67092  
224 <223> OTHER INFORMATION: 99-1572-440 : polymorphic base C or T  
226 <221> NAME/KEY: allele  
227 <222> LOCATION: 67129  
228 <223> OTHER INFORMATION: 99-1572-477 : polymorphic base A or T  
230 <221> NAME/KEY: allele  
231 <222> LOCATION: 67229  
232 <223> OTHER INFORMATION: 99-1572-578 : polymorphic base C or T  
234 <221> NAME/KEY: allele  
235 <222> LOCATION: 67433  
236 <223> OTHER INFORMATION: 5-264-188 : polymorphic base A or G  
238 <221> NAME/KEY: allele  
239 <222> LOCATION: 67723  
240 <223> OTHER INFORMATION: 5-169-97 : polymorphic base G or C  
242 <221> NAME/KEY: allele  
243 <222> LOCATION: 67834  
244 <223> OTHER INFORMATION: 5-169-208 : polymorphic base A or G  
246 <221> NAME/KEY: allele  
247 <222> LOCATION: 67955  
248 <223> OTHER INFORMATION: 5-169-331 : polymorphic base C or T  
250 <221> NAME/KEY: allele  
251 <222> LOCATION: 68213  
252 <223> OTHER INFORMATION: 5-170-238 : polymorphic base A or G  
254 <221> NAME/KEY: allele  
255 <222> LOCATION: 68263  
256 <223> OTHER INFORMATION: 5-170-288 : polymorphic base A or C  
258 <221> NAME/KEY: allele  
259 <222> LOCATION: 68375  
260 <223> OTHER INFORMATION: 5-170-400 : polymorphic base G or C  
262 <221> NAME/KEY: allele  
263 <222> LOCATION: 68477

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Input Set : A:\GEN-T112XC1-rev.txt

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264 <223> OTHER INFORMATION: 5-171-156 : polymorphic base G or T  
266 <221> NAME/KEY: allele  
267 <222> LOCATION: 68525  
268 <223> OTHER INFORMATION: 5-171-204 : polymorphic base C or T  
270 <221> NAME/KEY: allele  
271 <222> LOCATION: 68594  
272 <223> OTHER INFORMATION: 5-171-273 : polymorphic base A or G  
274 <221> NAME/KEY: allele  
275 <222> LOCATION: 68610  
276 <223> OTHER INFORMATION: 5-171-289 : polymorphic base C or T  
278 <221> NAME/KEY: allele  
279 <222> LOCATION: 70566  
280 <223> OTHER INFORMATION: 5-1-60 : polymorphic base C or T  
282 <221> NAME/KEY: allele  
283 <222> LOCATION: 70728  
284 <223> OTHER INFORMATION: 5-1-222 : polymorphic base A or G  
286 <221> NAME/KEY: allele  
287 <222> LOCATION: 80038  
288 <223> OTHER INFORMATION: 99-1578-99 : polymorphic base G or T  
290 <221> NAME/KEY: allele  
291 <222> LOCATION: 80118  
292 <223> OTHER INFORMATION: 99-1578-179 : polymorphic base A or T  
294 <221> NAME/KEY: allele  
295 <222> LOCATION: 80170  
296 <223> OTHER INFORMATION: 99-1578-231 : insertion AC  
298 <221> NAME/KEY: allele  
299 <222> LOCATION: 80183  
300 <223> OTHER INFORMATION: 99-1578-245 : deletion AT  
302 <221> NAME/KEY: allele  
303 <222> LOCATION: 80435  
304 <223> OTHER INFORMATION: 99-1578-496 : polymorphic base C or T  
306 <221> NAME/KEY: allele  
307 <222> LOCATION: 82090  
308 <223> OTHER INFORMATION: 5-2-30 : insertion CAG  
310 <221> NAME/KEY: allele  
311 <222> LOCATION: 82165  
312 <223> OTHER INFORMATION: 5-2-109 : polymorphic base G or T  
314 <221> NAME/KEY: allele  
315 <222> LOCATION: 82169  
316 <223> OTHER INFORMATION: 5-2-113 : deletion GTTT  
318 <221> NAME/KEY: allele  
319 <222> LOCATION: 82218  
320 <223> OTHER INFORMATION: 5-2-162 : polymorphic base A or T  
322 <221> NAME/KEY: allele  
323 <222> LOCATION: 82234  
324 <223> OTHER INFORMATION: 5-2-178 : polymorphic base C or T  
326 <221> NAME/KEY: allele  
327 <222> LOCATION: 82268  
328 <223> OTHER INFORMATION: 5-2-213 : polymorphic base C or T

→ Use of n and / or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to ensure a corresponding explanation is present in the <220> to <223> fields of each sequence using n or Xaa.

## VERIFICATION SUMMARY

DATE: 12/11/2001

PATENT APPLICATION: US/09/326,402A

TIME: 10:35:42

Input Set : A:\GEN-T112XC1-rev.txt

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L:3011 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
L:3122 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
L:3124 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
L:3361 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
L:3366 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
L:3446 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
L:6335 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12  
L:6446 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12  
L:6448 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12  
L:6685 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12  
L:6690 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12  
L:6770 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12